

ANCAMINE® 2579

Curing Agent

DESCRIPTION

Ancamine 2579 curing agent is a modified cycloaliphatic polyamine intended for use as room temperature curing agent for liquid epoxy resin. It exhibits low colour and excellent colour stability, offering superior yellowing resistance compared with conventional cycloaliphatic polyamines.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear light yellow liquid		
Colour	<2	Gardner	ASTM D 1544-80
Viscosity @ 25°C	400-800	mPa.s	Brookfield RVT, Spindle 4
Amine Value	260-300	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.04		
Equivalent	115	Wt/{H}	
Recommended use Level	60	PHR	With Bisphenol A diglycidyl ether (EEW 190)

ADVANTAGES

- Excellent colour and colour stability
- Good resistance to carbamation and water spotting
- Very good chemical resistance

APPLICATIONS

- Chemically resistant high solids and solvent free coatings
- Industrial flooring applications such as self-leveling floors and mortar floors

SHELF LIFE

At least 12 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2579 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity at 25°C	4000	mPa.s	Brookfield RVTD, Spindle 4
Gel Time (150g mix at 25°C),	40	mins	Techne GT-3 Gelation Timer
Thin Film Set Time @ 25°C	5.5	h	BK Drying Recorder Phase III
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Compressive Strength	71	MPa	ISO 604
Compressive Modulus	1.6	GPa	ISO 604
Tensile Strength	52	MPa	ISO 527
Tensile Modulus	6.6	GPa	ISO 527
Flexural Strength	90	MPa	ISO 178
Flexural Modulus	3.0	GPa	ISO 178
Heat Distortion Temperature	40	°C	ASTM D648
Carbamation Test	2		Scale 1-5 (5 is best)

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